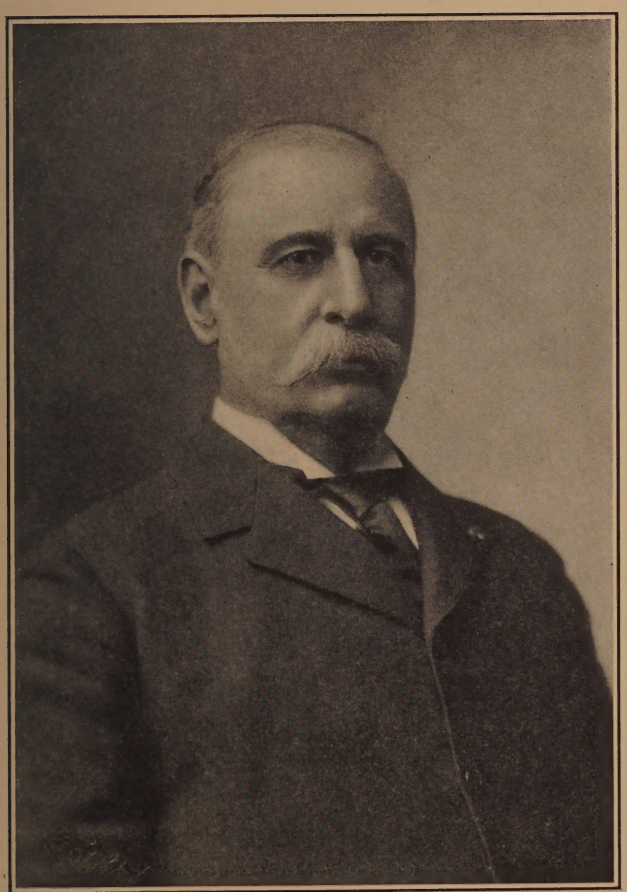
COTTON CHATS

DRAPER COMPANY, HOPEDALE, MASS.

DRAPER COMPANY HOPEDALE MASS.

COTTON CHATS

NO. 87. JANUARY, 1910.



WILLIAM F. DRAPER.

In view of the death of William F. Draper at his winter home in Washingtion, D. C., on January 28, 1910, we reprint the following from Cotton Chats of July, 1907:

"RESOLUTIONS OF COMMITTEE

APPOINTED BY DIRECTORS ON THE OCCASION OF THE RESIGNATION OF GENERAL WILLIAM F. DRAPER AS PRESIDENT OF DRAPER COMPANY.

Since the formation of the Company, and up to July 1st, inst., when his resignation took effect, General William F. Draper has been President of the Company.

He was originally unanimously elected, and has since been continuously unanimously re-elected.

In addition to his duties as President he has been the senior member of various important Committees of Directors.

He has given especial attention to the Company's large interests in patents and inventions.

He has, as Chairman of the Committee on Experiments and Improvements, developed, recommended or approved of substantially every advance and improvement that has been made by the Company in the manufacture of automatic looms.

He has been influential in the shaping of the general policies of the company.

We express our keen appreciation of General Draper's great ability and untiring work in the Company's interests."

At a meeting of the directors of the Draper Company, January 31, 1910, the following was passed unanimously:

"*In recognition of the eminent services of William F. Draper, who was our first President and continued in that position for many years, it is voted: That the works be closed next Wednesday afternoon, the day of his funeral, and that full pay be allowed all employees.*"

Name.	Location.	Quantity
Jonesville Mfg. Co.,	Jonesville, S. C.	400
KANSAS CITY COTTON MILLS CO.,	Kansas City, Mo.	236
Keasbey & Mattison Co.,	Ambler, Pa.	14
Kesler Mfg. Co.,	Salisbury, N. C.	306
Kincaid Mfg. Co.,	Griffin, Ga.	100
King, John P., Mfg. Co.,	Augusta, Ga.	1600
King Philip Mills,	Fall River, Mass.	28
Knight, B. B. & R.	Providence, R. I.	3616
LANCASTER MILLS,	Clinton, Mass.	418
Lanett Cotton Mills,	West Point, Ga.	1132
Laurens Cotton Mills,	Laurens, S. C.	1184
Lawrence Duck Co.,	Lawrence, Mass.	38
Lawrence Industrial School,	Lawrence, Mass.	1
Limestone Mills,	Gaffney, S. C.	640
Lockhart Mills,	Lockhart, S. C.	1604
Lockwood Company,	Waterville, Maine.	2427
Lois Cotton Mills,	Douglasville, Ga.	480
Lonsdale Company, A. & H. Mill, No. 4 Mill, Ashton Mill,	Lonsdale, R. I.	3447
Loray Mills,	Gastonia, N. C.	1690
Lorraine Mfg. Co.,	Pawtucket, R. I.	200
Lorraine Mfg. Co.,	Saylesville, R. I.	3
Lowell Textile Co,	Lowell, Mass.	52
Lowell Textile School,	Lowell, Mass.	3
Lydia Cotton Mills,	Clinton, S. C.	154
Lyman Mills,	Holyoke, Mass.	1
Lynchburg Cotton Mills,	Lynchburg, Va.	161
MANCHESTER COTTON MILLS,	LaGrange, Ga.	472
Manville Co.,	Woonsocket, R. I.	1497
Marion Mfg. Co.,	Marion, N. C.	300
Martinsville Cotton Mill Co.,	Martinsville, Va.	444
Mass. Inst. of Tech.,	Boston, Mass.	1
Massachusetts Cotton Mills,	Lowell, Mass.	1128
Massachusetts Mills in Georgia,	Lindale, Ga.	2361
Mays Landing Water Power Co.,	Mays Landing, N. J.	519
Mecklenburg Mfg., Co.,	Charlotte, N. C.	300
Meredith Linen Co.,	Meredith, N. H.	42
Meridian Cotton Mills,	Meridian, Miss.	148
Merrimack Mfg. Co.,	Huntsville, Ala.	2219
Merrimack Mfg. Co.,	Lowell, Mass.	866
Methuen Company,	Methuen, Mass.	154
Middleburg Mills,	Batesburg, S. C.	48
Mills Mfg. Co.,	Greenville, S. C.	816
Millville Mfg. Co.,	Millville, N. J.	1057
Miss. Agri. College,	Agri. College, Miss.	2
Mollohon Mfg. Co.,	Newberry, S. C.	416
Monadnock Mills,	Claremont, N. H.	24
Monaghan Mills,	Greenville, S. C.	1262
Monarch Cotton Mills,	Union, S. C.	1000
NANTUCKET MILLS,	Spray, N. C.	32
Nashua Mfg. Co.,	Nashua, N. H.	514
National Machinery Co.,	Providence, R. I.	1
Naumkeag Steam Cotton Co.,	Salem, Mass.	1305
Neuse River Mills,	Raleigh, N. C.	176
New Bedford Textile School,	New Bedford, Mass.	2
Newmarket Mfg. Co.,	Newmarket, N. H.	474
New York Mills,	New York Mills, N. Y.	172
Nightingale Mills,	Putnam, Conn.	14
Ninety Six Cotton Mills,	Ninety Six, S. C.	527
Nockege Mills,	Fitchburg, Mass.	13
Nokomis Cotton Mills,	Lexington, N. C.	372
Norris Cotton Mills,	Cateechee, S. C.	218
No. Andover Silk Mill,	No. Andover, Mass.	4
N. C. College of Agrl. & Mech. Arts,	West Raleigh, N. C.	4
OLYMPIA COTTON MILLS,	Columbia, S. C.	2403
Orangeburg Mfg. Co.,	Orangeburg, S. C.	392
Orr Cotton Mills,	Anderson, S. C.	1504
Ossipee Cotton Mills,	Elon College, N. C.	168
Otis Company,	Ware, Mass.	170
Ottaray Mills,	Union, S. C.	50
PACIFIC MILLS, COCHECO DEPT.,	Dover, N. H.	1755
Pacific Mills,	Lawrence, Mass.	2590
Pacolet Mfg. Co.,	Pacolet, S. C.	1164
Pacolet Mfg. Co.,	Gainesville, Ga.	1764
Palmer Mills,	Three Rivers, Mass.	352
Palmetto Cotton Mills,	Palmetto, Ga.	80
Parkhill Mfg. Co.,	Fitchburg, Mass.	13
Park Woolen Mills,	Rossville, Ga.	10
Patterson, S. F.,	Ilchester, Md.	1
Patterson Mfg. Co.,	Kannapolis, N. C.	400
Patterson Mill,	Roanoke Rapids, N. C.	150
Peabody Mills,	Newburyport, Mass.	16
Pell City Mfg. Co.,	Pell City, Ala.	720
Pelzer Mfg. Co.,	Pelzer, S. C.	2990
Pemberton Company,	Lawrence, Mass.	101
Pentucket Mills,	Haverhill, Mass.	1
Pepperell Mfg. Co.,	Biddeford, Maine.	6110
Philadelphia Textile School,	Philadelphia, Pa.	2
Pickens Mill,	Pickens, S. C.	432
Piedmont Mfg. Co.,	Piedmont, S. C.	1720

NORTHROP LOOMS

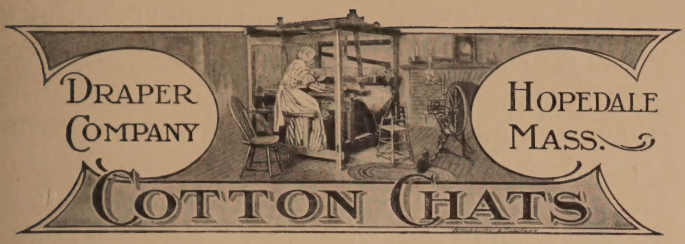
IN THE UNITED STATES

INCLUDING ORDERS TO JANUARY 1, 1910.

Name.	Location.	Quantity
ABBEVILLE COTTON MILLS,	Abbeville, S. C.	940
Ackerly, Paul,	Vernon, Conn.	48
Acushnet Mill Corp.,	New Bedford, Mass.	417
Adams Mfg. Company	No. Scituate, R. I.	36
Aiken Mfg. Company,	Bath, S. C.	38
Akron Mfg. Company,	Bessemer City, N. C.	96
Alabama Cotton Mills,	Speigners, Ala.	112
Albany Cotton Mills Co.,	Albany, Ga.	260
Aldrich Brothers,	Moosup, Conn.	200
Alice Mill,	Easley, S. C.	150
American Linen Company,	Fall River, Mass.	100
American Spinning Company,	Greenville, S. C.	1232
American Textile Company,	Atco, Ga.	802
Amoskeag Mfg. Company,	Manchester, N. H.	2757
Anderson Cotton Mills,	Anderson, S. C.	724
Androscoggin Mills,	Lewiston, Maine.	1162
Appleton Company,	Lowell, Mass.	623
Aragon Cotton Mills,	Rock Hill, S. C.	281
Aragon Mills,	Aragon, Ga.	186
Arcadia Mills,	Spartanburg, S. C.	600
Arlington Mills,	Lawrence, Mass.	240
Asheville Cotton Mills,	Asheville, N. C.	30
Ashland Cotton Company,	Jewett City, Conn.	16
Ashland Company,	Ashland, R. I.	21
Atlantic Cotton Mills,	Lawrence, Mass.	749
Attawaugan Mills,	Killingly, Conn.	196
Augusta Factory,	Augusta, Ga.	105
Aurora Cotton Mills,	Aurora, Ill.	96
Avondale Mills,	Birmingham, Ala.	942
BACHMANN, L., & COMPANY,	Uxbridge, Mass.	66
Bancroft, Joseph & Sons Co.,	Wilmington, Del.	15
Barber-Colman Co.,	Boston, Mass.	1
Barbour Cotton Mills,	Eufaula, Ala.	40
Barker Cotton Mills Co.,	Mobile, Ala.	325
Barker Mills,	Auburn, Maine.	16
Bates Mfg. Co.,	Lewiston, Maine.	330
Beaumont Mfg. Co.,	Spartanburg, S. C.	600
Bellwill Cotton Mills,	Wilmington, N. C.	60
Belton Mills,	Belton, S. C.	1394
Bemis Bros. Bag Co.	Jackson, Tenn.	1570
Bennett Spinning Co.,	New Bedford, Mass.	1
Berkeley Company,	Berkeley, R. I.	256
Berkshire Cotton Mfg. Co.,	Adams, Mass.	224
Bernon Mills,	Georgiaville, R. I.	608
Blackstone Mfg. Co.,	Blackstone, Mass.	1184
Boott Mills,	Lowell, Mass.	1428
Borden, Rich rd Mfg. Co.,	Fall River, Mass.	1282
Boston Duck Company,	Bondsville, Mass.	119
Boston Mfg. Co.,	Waltham, Mass.	500
Botany Worsted Mills,	Passaic, N. J.	30
Bourne Mills,	Fall River, Mass.	2060
Boyd, John S., Co.,	Williamstown, Mass.	48
Bradford Durfee Textile School,	Fall River, Mass.	8
Brandon Mills,	Greenville, S. C.	2000
Bristol Mfg. Corp.,	New Bedford, Mass.	1
Brogon Cotton Mills,	Anderson, S. C.	366
Brookford Mills,	Brookford, N. C.	162
Brookside Mills,	Knoxville, Tenn.	990
Brower & Love Bros.,	Indianapolis, Ind.	102
Burgess Mills,	Pawtucket, R. I.	1419
CABARRUS COTTON MILLS,	Concord, N. C.	542
Cabot Mfg. Co.,	Brunswick, Maine.	204
Calhoun Mills,	Calhoun Falls, S. C.	600
California Cotton Mills,	Oakland, Cal.	38
Cannon Mfg. Co.,	Concord, N. C.	426
Cannon Mfg. Co.,	Kannapolis, N. C.	60
Capital City Mills,	Columbia, S. C.	240
Carhartt Cotton Mills, Hamilton	Rock Hill, S. C.	1
Carolina Mills,	Greenville, S. C.	396
Chadwick-Hoskins Co.,	Charlotte, N. C.	1830
Cherokee Falls Mfg. Co.,	Cherokee Falls, S. C.	320
Chicopee Mfg. Co,.	Chicopee Falls, Mass,	150
Chiquola Mfg. Co.,	Honea Path, S. C.	1000
Clemson College,	Calhoun Station, S. C.	2
Clifton Mfg. Co.,	Clifton, S. C.	1000
Clinton Cotton Mills,	Clinton, S. C.	530
Colonial Mills,	Dickeyville, Md.	40
Columbia Cotton Mills Co.,	Columbia, Tenn.	102
Columbia Mfg. Co.,	Ramseur. N. C.	168
Columbian Mfg. Co.,	Greenville, N. H.	272
Columbus Mfg. Co.,	Columbus, Ga.	1320
Columbus School,	Columbus, Ga.	1
Conestee Mills,	Conestee, S. C.	153
Con. Cotton Duck Co., Stark Mills,	Manchester, N. H.	190

Name.	Location.	Quantity
Continental Mills,	Lewiston, Maine.	691
Converse Co., D. E.	Glendale, S. C.	550
Cordis Mills,	Millbury, Mass.	204
Coventry Company,	Anthony, R. I.	2
Covington Mills,	Covington, Ga.	48
Cowikee Cotton Mills,	Eufaula, Ala.	320
Cowpens Mfg. Co.,	Cowpens, S. C.	142
Crompton Co.,	Crompton, R. I.	2
Crown Cotton Mills,	Dalton, Ga.	1
DALLAS MFG. CO.,	Huntsville, Ala.	1211
Dana Warp Mills,	Westbrook, Maine.	60
Danielson Cotton Mills,	Danielson, Ct.	140
Darlington Mfg. Co.,	Darlington, S. C.	592
Deavitt Mfg. Co.,	Uxbridge, Mass.	8
Dixie Cotton Mills,	LaGrange, Ga.	32
Draper, Gen. W. F.	Hopedale, Mass.	4
Drayton Mills,	Spartanburg, S. C.	502
Dunbarton Flax Spinning Co.,	Greenwich, N. Y.	1
Durham Cotton Mfg. Co.,	West Durham, N. C.	300
Dwight Mfg. Co.,	Chicopee, Mass.	791
Dwight Mfg. Co.,	Alabama City, Ala.	600
EAGLE MILLS,	Woonsocket, R. I.	8
Eagle & Phenix Mills,	Columbus, Ga.	352
Easley Cotton Mills,	Easley, S. C.	1020
Eastman Cotton Mills,	Eastman, Ga.	150
Echota Cotton Mills,	Calhoun, Ga.	120
Edwards Mfg. Co.,	Augusta, Maine.	810
Ella Mfg. Co.,	Shelby, N. C.	126
Eno Cotton Mills,	Hillsboro, N. C.	232
Erwin Cotton Mills,	Cooleemee, N. C.	1296
Erwin Cotton Mills,	Duke, N. C.	1024
Erwin Cotton Mills,	West Durham, N. C.	1877
Eureka Cotton Mills,	Lancaster, S. C.	474
Everett Mills,	Lawrence, Mass.	2000
Exeter Mfg. Co.,	Exeter, N. H.	106
Exposition Cotton Mills,	Atlanta, Ga.	550
FAIRFIELD COTTON MILLS,	Winnsboro, S. C.	190
Fairmont Mfg. Co.,	Fairmont, S. C.	300
Falls Company,	Norwich, Conn.	61
Farnum, John & Co.,	Lancaster, Pa.	13
Farr Alpaca Co.,	Holyoke, Mass.	54
Farwell Mills,	Lisbon, Maine.	181
Firth, William,	Boston, Mass.	1
Florence Mills,	Forest City, N. C.	200
Fountain Inn Mfg. Co.,	Fountain Inn, S. C.	400
Franklin Mills,	Greers, S. C.	24
Franklinsville Mfg. Co.,	Franklinville, N. C.	6
Fulton Bag & Cotton Mills,	Atlanta, Ga.	1691
GAFFNEY MFG. CO.,	Gaffney, S. C.	1594
Gainesville Cotton Mills,	Gainesville, Ga.	1220
Gary, James S., & Sons,	Alberton, Md.	88
Gaston Mfg. Co.,	Cherryville, N C.	48
Georgia School of Technology,	Atlanta, Ga.	8
Gibson Mfg. Co.,	Concord, N. C.	6
Glenn-Lowry Mfg. Co.,	Whitmire, S. C.	899
Glen Raven Cotton Mills,	Burlington, N. C.	100
Glenwood Cotton Mills,	Easley, S. C.	116
Globe Mfg. Co.,	Gaffney, S. C.	46
Golden Belt Mfg. Co.,	Durham, N. C.	600
Gosnold Mills Corp.,	New Bedford, Mass.	660
Granby Cotton Mills,	Columbia, S. C	1014
Granite Linen Co.,	Wortendyke, N. J.	24
Granite Mills,	Fall River, Mass.	1
Graniteville Mfg. Co.,	Graniteville, S. C.	592
Graniteville Mfg. Co.,	Vaucluse, S. C.	362
Great Falls Mfg. Co.,	Somersworth, N. H.	638
Great Falls Mfg. Co.,	Rockingham, N. C.	172
Greenwood Cotton Mills,	Greenwood, S. C.	372
Greers Mfg. Co.,	Greers, S. C.	280
Grendel Mills,	Greenwood, S. C.	1042
Grinnell Mfg. Corp.,	New Bedford. Mass.	341
Grosvenor-Dale Co.,	No. Grosvenor-Dale, Conn.	3822
HAMILTON MFG. CO.,	Lowell, Mass.	372
Hamlet Textile Co.,	Woonsocket, R. I.	56
Hamrick Mills,	Gaffney, S. C.	260
Harmony Grove Mills,	Harmony Grove, Ga.	396
Hartsville Cotton Mills,	Hartsville, S. C.	880
Hathaway Mfg. Co.,	New Bedford, Mass.	401
Henderson Cotton Mills,	Henderson, N. C.	84
Henrietta Mills,	Henrietta, N. C.	379
High Shoals Company,	High Shoals, N. C.	64
Hill Mfg. Co.,	Lewiston, Maine.	327
Home Cotton Mills,	St. Louis, Mo.	722
Hope Company, Phenix Mill,	Hope, R. I.	800
Hope Company, Hope Mill,	Hope, R. I.	468
IMPERIAL COTTON MILLS,	Eatonton, Ga.	150
Indian Head Mills of Ala.,	Cordova, Ala.	416
JACKSON COMPANY,	Nashua, N. H.	533
Jackson Mills,	Iva, S. C.	640
Johnson & Johnson,	New Brunswick, N. J.	655

Name.	Location.	Quantity
Pilot Cotton Mills Co.,	Raleigh, N. C.	198
Pocasset Mills,	Fall River, Mass.	223
Poe, F. W., Mfg. Co.,	Greenville, S. C.	764
Portland Silk Co.,	Middletown, Conn.	1
Potomska Mills Corp.,	New Bedford, Mass.	2
Putnam Mfg. Co.,	Putnam, Conn.	252
QUEEN CITY COTTON CO.,	Burlington, Vt.,	1480
Quidnick Mfg. Co.,	Quidnick, R. I.	17
Quinebaug Company,	Danielson, Conn.	700
RAWITZER, S., & CO.,	Hope Valley, R. I.	2
Renfrew Mfg. Co.,	Adams, Mass.	80
Revolution Cotton Mills,	Greensboro, N. C.	820
Rhode Island School of Design,	Providence, R. I.	1
Richland Cotton Mills,	Greenville, S. C.	312
Riverside & Dan River Cotton Mills, Inc.,	Danville, Va.	2586
Roanoke Mills Co.,	Roanoke Rapids, N. C.	252
Rosemary Mfg. Co.,	Roanoke Rapids, N. C.	520
Royal Bag & Yarn Mfg. Co.,	Charleston, S C.	94
Royall Cotton Mills,	Wake Forest, N. C.	186
Rubdry Towel Co.,	Providence R. I.	2
SALISBURY COTTON MILLS,	Salisbury, N. C.	332
Salmon Falls Mfg. Co.	Salmon Falls, N .H.	1
Salt's Textile Mfg. Co.,	Bridgeport, Conn.	18
Samoset Company,	Valley Falls, R. I.	80
Saxon Mills,	Spartanburg, S. C.	700
Scottdale Mills,	Atlanta, Ga.	350
Shaw, L. L., & Co., (Royal River Mill,)	Yarmouth, Maine.	16
Shetucket Company,	Norwich, Conn.	70
Simpsonville Cotton Mills,	Simpsonville, S. C.	200
Slater Mfg. Co.,	Pawtucket, R. I.	24
Slater, S., & Sons, Cotton Mill,	Webster, Mass.	311
Slater, S., & Sons, Woolen Mill,	Webster, Mass.	9
Smith, J. E., Cotton Mfg. Co.,	Thomson, Ga.	28
Southwark Mills,	Philadelphia, Pa.	4
Spartan Mills,	Spartanburg, S. C.	2590
Spaulding Cotton Mills,	Griffin, Ga.	2
Statesville Cotton Mills,	Statesville, N. C.	180
Steele's Mills,	Rockingham, N. C.	600
Stevens Mfg. Co.,	Fall River, Mass.	1
Stirling Silk Mfg. Co.,	Stirling, N. J.	2
Stonewall Cotton Mills,	Stonewall, Miss.	181
Strickland Cotton Mills.	Valdosta, Ga.	20
Suncook Mills,	Suncook, N. H.	89
Susquehanna Silk Mills,	Sunbury, Pa.	2
Swift Mfg. Co.,	Columbus, Ga.	1
TARBORO COTTON FACTORY,	Tarboro, N. C.	200
Texas Textile School,	College Station, Texas.	2
Textile Mills Corp. Maginnis Br.,	New Orleans, La.	200
Textile Mills Corp., Lane Branch,	New Orleans, La.	514
Textile Mills Corp., Mississippi Br.,	Wesson, Miss.	49
Thistle Mills Co.,	Ilchester, Md.	4
Thomaston Cotton Mills,	Thomaston, Ga.	260
Thompson, James & Co.,	Valley Falls, N. Y.	12
Thorndike Company,	Thorndike, Mass.	360
Totokett Mills Co.,	Norwich, Conn.	218
Toxaway Mills,	Anderson, S. C.	484
Travora Mfg. Co.,	Graham, N. C.	1
Tremont & Suffolk Mills,	Lowell, Mass.	2008
Trion Mfg. Co.,	Trion, Ga.	1243
Tucapau Mills,	Tucapau, S. C.	1769
UNCASVILLE MFG. CO.,	Versailles, Conn.	20
Union-Buffalo Mills Co.,	Union, S. C.	2132
U. S. Bunting Co.,	Lowell, Mass.	64
United States Cotton Co.	Central Falls, R I.	1600
Utica Cotton Co.,	Capron, N. Y.	1
Utica Steam & Mohawk Valley C.M.,	Utica, N. Y.	652
VICTOR MFG. CO.,	Greers, S. C.	1512
Victory Mfg. Co.,	Fayetteville, N. C.	430
WACHUSETT MILLS,	Worcester, Mass.	1
Walhalla Cotton Mills,	Walhalla, S. C.	120
Wamsutta Mills,	New Bedford, Mass.	231
Ware Shoals Mfg. Co.,	Ware Shoals, S. C.	1415
Warren Cotton Mills,	West Warren, Mass.	79
Warren Mfg. Co.,	Warrenville, S. C.	1000
Wauregan Co.,	Wauregan, Conn.	182
Wennonah Cotton Mills,	Lexington, N. C.	100
Westboro Weaving Co.,	Westboro, Mass.	1
Whitaker, Wm., & Sons,	Philadelphia, Pa.	1
White, N. D., & Son,	Winchendon Springs, Mass.	21
Whitman Mills,	New Bedford, Mass.	843
Whitney Mfg. Co.,	Whitney, S. C.	652
Whittenton Mfg. Co.,	Taunton, Mass.	1
Williamstown Mfg. Co.,	Williamstown, Mass.	14
Woodruff Cotton Mills,	Woodruff, S. C.	910
Woodside Cotton Mills,	Greenville, S. C.	1124
Wuskanut Mills,	Farnumsville, Mass.	200
YORK MFG. CO.,	Saco, Maine.	1761
	Total,	181,655



NO. 88. FEBRUARY, 1910.

SOME REASONS WHY

customers are pleased with results obtained from Northrop Looms.

About one year ago we called attention to a few of the most important advantages of the Northrop loom, reinforced by data from various mills as to percentage of product, etc.

We submit additional cases that have been reported since our last statement on this subject.

One of our traveling men reports from a mill operating about five hundred Northrop looms:

"*The agent seems to be very well pleased with the results that he is getting from the Draper looms and showed me his weekly weave room reports for the past month which* **showed from 103 per cent. to 108 per cent. production.** *Of course this is not figured on straight time as they start the looms up before the regular starting time and run them all through the noon hour.*"

At another mill with over six hundred looms:

"*Weavers are running twenty and twenty-four looms each and fill their own batteries; most of the weavers run twenty-four looms each. The Superintendent said that by running through the noon hour and not figuring the extra time that* **they get from 102 per cent. to 105 per cent.** *production, and with practically* **no seconds.**"

At another mill with over twelve hundred looms:

"*Here I saw the superintendent and overseer of weaving who stated that their looms were running very nicely with an average of twenty looms to the weaver on 36 inch, 40 inch and 52 inch goods. The superintendent further said that they ran the weaving through the noon hour and figuring the weaving on a basis of a 60 hours' run* **they are getting 103 per cent.**"

At a mill with about three hundred looms:

"*I called and looked over the looms with the overseer. During the noon hour* **they were running all the looms with six weavers** *and an average of only five looms stopped during the noon hour. The weavers take turns in remaining in the weave room at noon.*"

At another mill with about one thousand looms:

"*The looms here are running very well and I counted nine different weavers on prints running* **36 looms each.**"

At another mill with about four hundred looms:

"*The weavers run twenty-two looms each. Not figuring the time that they run extra they claim to get from* **102 per cent. to 110 per cent. production,** *with a very small percentage of seconds.*"

At a mill with over one thousand looms:

"*I made the following note as regards the weavers:*

"*10 weavers running 20 looms each without assistance.*

"*12 weavers running 24 looms each without assistance.*

"*2 weavers running 30 looms each with battery boys.*

"*3 weavers running 44 looms each with battery boys.*

"*1 weaver running 46 looms with battery boy.*"

"*The balance of the weavers run 14 to 18 looms each. The superintendent said by starting a little earlier morning and noon they are getting from* **100 per cent. to 104 per cent. production.**"

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Number of Northrop Looms in Each State in the United States, Including Orders to January 1, 1910.

NEW ENGLAND STATES.

Connecticut	5,958
Maine	14,095
Massachusetts	25,744
New Hampshire	7,395
Rhode Island	14,166
Vermont	1,480
	68,838

MIDDLE AND WESTERN STATES.

California	38
Delaware	15
Illinois	96
Indiana	102
Missouri	958
New Jersey	2,287
New York	838
Pennsylvania	36
	4,370

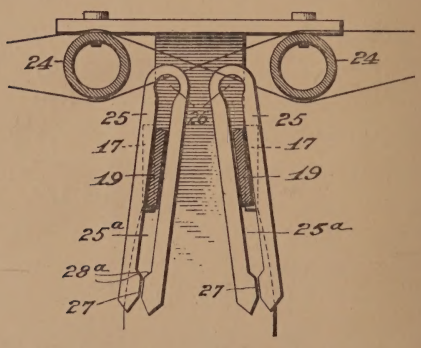
SOUTHERN STATES.

Alabama	6,905
Georgia	17,295
Louisiana	714
Maryland	133
Mississippi	380
North Carolina	17,605
South Carolina	59,560
Tennessee	2,662
Texas	2
Virginia	3,191
	108,447

FURTHER PATENT LITIGATION.

Suit has been brought in the United States Circuit Court against the Stafford Company by the Draper Company and the Crompton & Knowles Loom Works as licensees under the Coldwell and Gildard patent, Reissue No. 11,923. It is claimed that the warp-stop motion employed in the Stafford looms infringes this patent, which shows the drop bars each suspended from a single warp thread, and so arranged that the thread does not come in contact with the drop bars hung on the adjacent threads on each side. We annex a portion of a figure of the patent showing this useful arrangement.

Fig. 5.



We wish to warn the trade that the rights granted by this patent will be enforced against all persons who unlawfully appropriate the patented invention.

NO. 89. MARCH, 1910.

STOP, LOOK, LISTEN.

The above warning used at railway crossings is familiar to everyone; its author is said to have received the highest rate per word ever paid for a literary product. We borrow the expression in calling attention to some of the great advantages of the Northrop over the common loom.

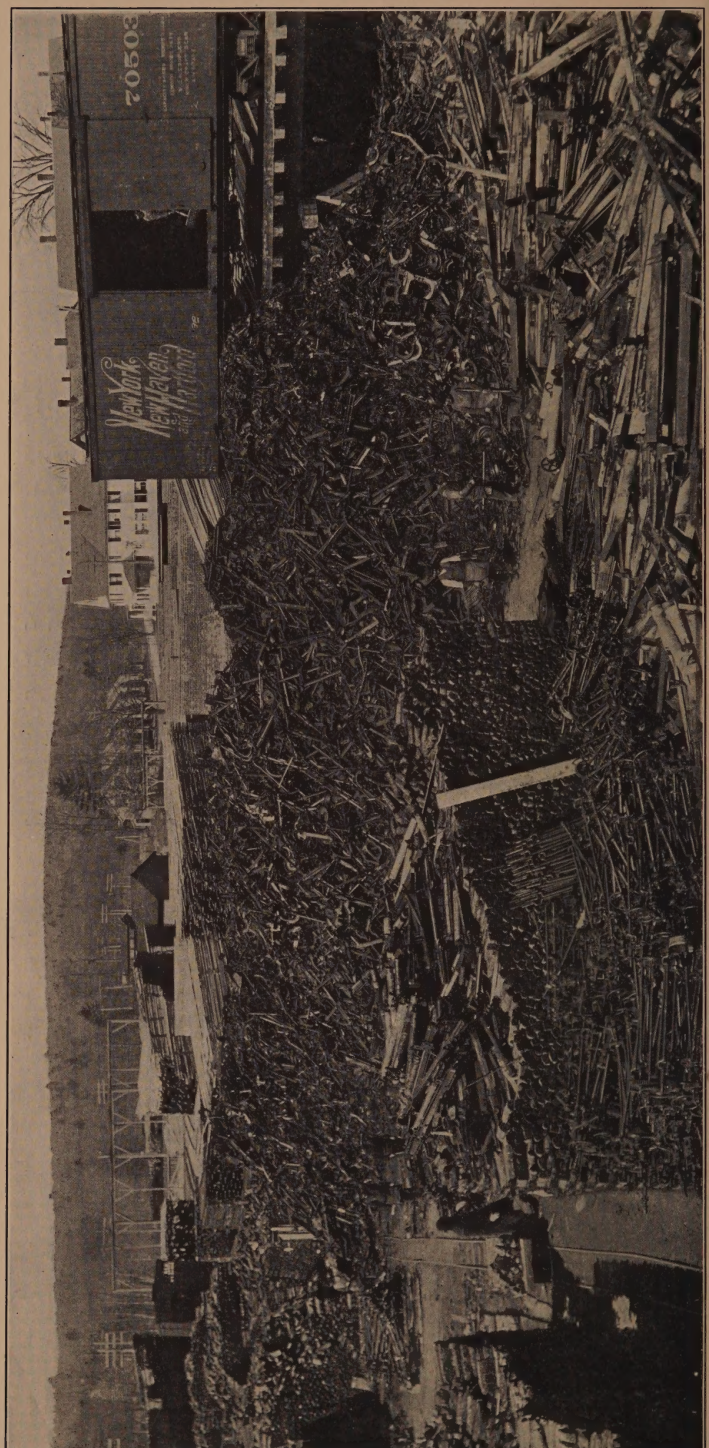
Of the Northrop looms in the South, shown in our February Cotton Chats, calling the number 100,000 in round figures, it is safe to say that they are being operated on a basis of 16 looms per weaver, as compared with 6 looms per weaver on common looms; calling for about 6000 weavers with the Northrop against over 16,000 weavers on the same number of common looms. Averaging the weavers' wages at eight dollars per week, or four hundred dollars per year, shows a saving on the 10,000 less weavers needed in Southern territory alone of

$4,000,000 PER ANNUM.

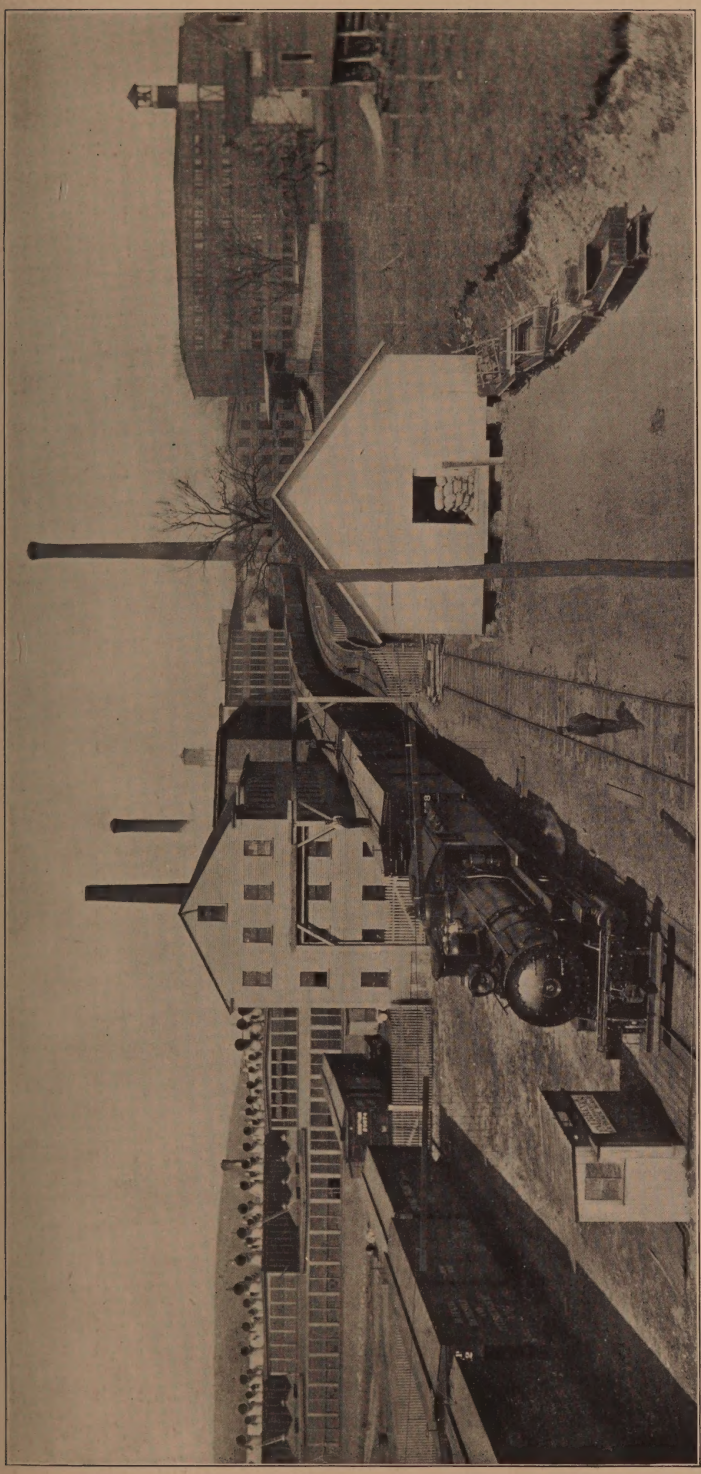
This saving in money is but one of the advantages. Northrop looms can be operated by less skilled help; or in other words unskilled operatives can in very much less time learn to care for Northrop than common looms; furthermore, weavers usually earn more rather than less on Northrop looms. As the shuttles are self-threading there is **no danger of contracting tuberculosis** as in the old process of sucking filling.

In case of shortage of help the fact that less weavers are required makes the difference between operating looms, or being obliged to let many of them stand idle. In a mill village where tenements must be furnished, the smaller number of operatives required reduces the initial cost of the mill plant.

As shown in February Cotton Chats the capacity of Northrop looms to be run without any weavers during the noon hour, and at other times, materially increases the product per loom without added expense.



COMMON LOOMS, MARCH, 1910, ON THE WAY TO THE FOUNDRY



A Train Load of Northrop Looms—One Day's Product, March, 1910.

James B. McGregor died at his home in North Newport, N. H., March 23rd, at the age of 108 years, 6 months and 17 days.

He was the oldest resident of the State, the oldest Freemason in the world and a real Son of the American Revolution.

He had engaged in various wood working industries, among them including the manufacture of blanks for bobbins.

Mr. McGregor's real estate in North Newport adjoined the premises of the Draper Company; his signature reproduced below was obtained just before his 108th birthday in connection with the purchase of a piece of land to adjust boundaries.

JAMES B. MCGREGOR AND GREAT GRANDDAUGHTER.

James B McGregor

DRAPER COMPANY HOPEDALE MASS.

COTTON CHATS

NO. 90. APRIL, 1910.

CURTAILMENT DUE TO HIGH PRICED COTTON AN ADVANTAGE

To those of our customers, who, having common looms, are thinking of changing to Northrop at some time.

The cloth making industry is, as a whole, not making large profits, and we hear on all sides of present reductions in running time and of further proposed reductions.

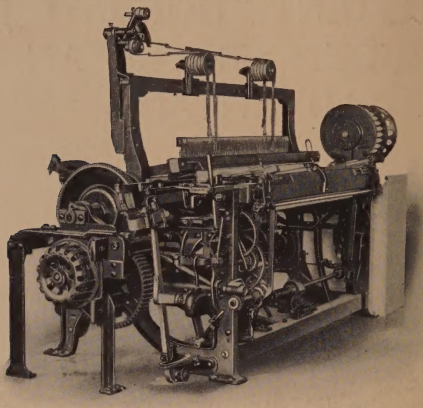
This condition will not last forever. Under these conditions the amount of fabric in the hands of the mills, the converters, the jobbers, the retailers and the public is being steadily reduced; and as soon as purchasers of goods are convinced that cotton and cotton goods are at bottom, whether the price be higher or lower, full consumption will be again resumed and for a time demand will probably exceed supply.

The changing of common looms to Northrop in a mill always causes a certain confusion, and while the change is being made, a decrease in production. At this time, when there is little, if any, profit in goods produced, this condition will not add to the expense of the exchange, but if the exchange is made when the product of every loom can be immediately sold at a profit, and when, therefore, the management is desirous of getting the last available pound, the necessary confusion and reduction of profit may be a matter of some consequence.

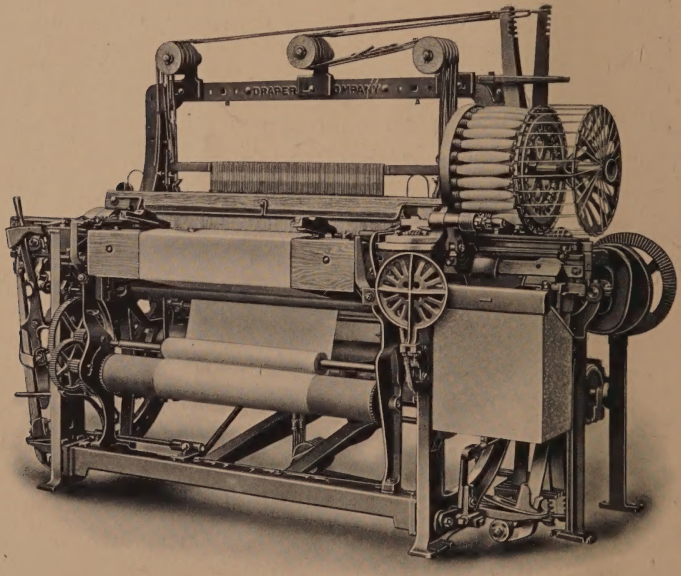
We, therefore, call the attention to those of our friends, who are thinking of making a change in looms, to this matter. We hope there will not be a time in years when they can with such little trouble and at such light expense make the exchange.

MEMBERS OF THE NATIONAL ASSOCIATION OF COTTON MANUFACTURERS

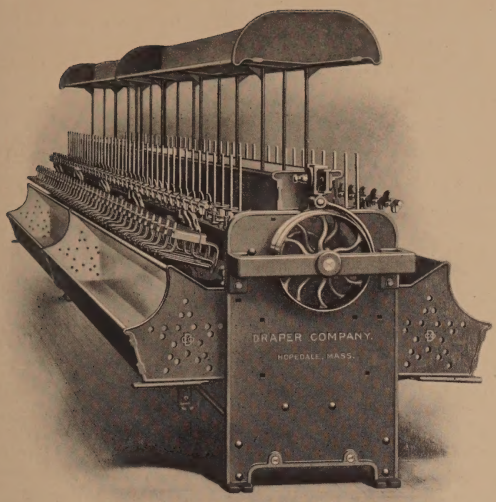
and others interested are invited to visit our space, Numbers 30, 31, 42 and 43 at the exhibit of the Textile Exhibitors' Association, at Mechanics Building, Boston, the last week in April. We illustrate herewith a part of our exhibit.



E Model Northrop Loom
Weaving fine goods from 80s warp and 120s cop filling.

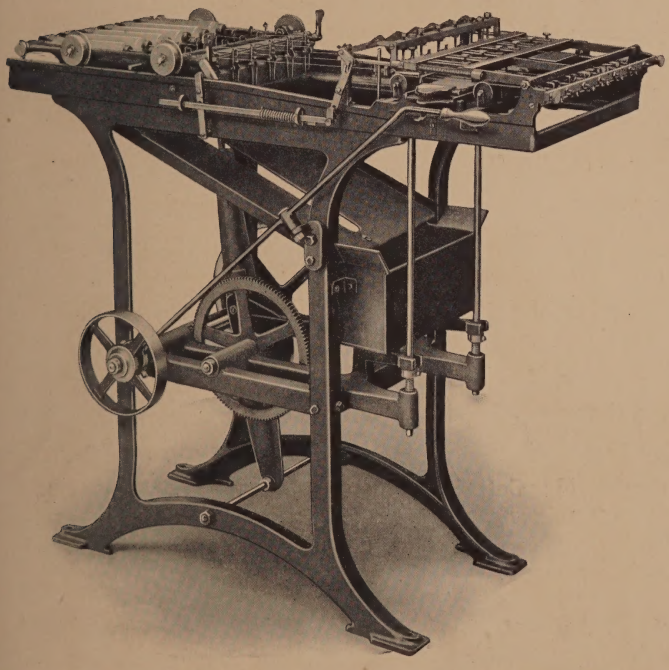


Northrop Side Cam
Pillow Tubing Loom



I Model Spooler

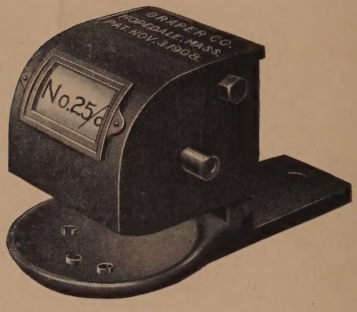
With new traverse motion and other improvements.



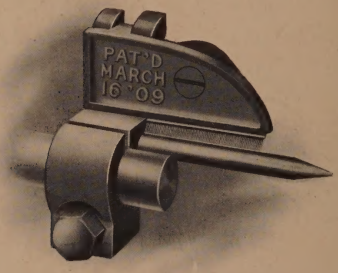
The Moscrop Single Thread Yarn Testing Machine

Tests six bobbins simultaneously and records eighty separate breaks from each. **Bring your own samples and see them tested.** We shall be prepared to test any numbers between 15^s and 90^s.

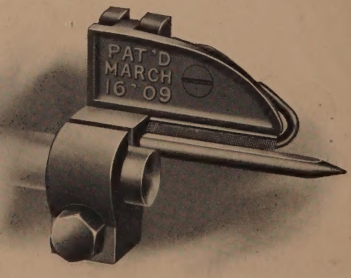
The Old Way
Fingers



The New Way
Duckworth's magazine



MacColl Spooler Guide for Cotton



MacColl Spooler Guide for Worsted